

Exhibit 3

Deutsche Bank Aktiengesellschaft Loss Chart											Lookback
Class Period: November 7, 2017 through July 6, 2020											Price
Name	Date	Shares	Price per	Total	Date Sold	Shares	Price per	Total	Shares	Value	Total
	Purchased		share				Share		Retained	Retained	Loss/Gain
Vagvala, Srikalahasti	3/21/2018	10,000	(\$14.6200)	(\$146,200.00)	3/21/2018	10,000	\$14.7000	\$147,000.00			
	3/21/2018	20,000	(\$14.5900)	(\$291,800.00)	3/21/2018	10,000	\$14.7100	\$147,100.00			
	3/21/2018	20,000	(\$14.5900)	(\$291,800.00)	3/21/2018	10,000	\$14.7100	\$147,100.00			
	3/22/2018	10,000	(\$14.1700)	(\$141,700.00)	3/21/2018	300	\$14.7450	\$4,423.50			
	3/23/2018	20,000	(\$13.9400)	(\$278,800.00)	3/21/2018	19,700	\$14.7400	\$290,378.00			
	3/23/2018	20,000	(\$13.9000)	(\$278,000.00)	3/23/2018	20,000	\$13.9400	\$278,800.00			
	3/23/2018	12,553	(\$13.9100)	(\$174,612.23)	3/23/2018	20,000	\$13.9600	\$279,200.00			
	3/23/2018	800	(\$13.9050)	(\$11,124.00)	3/23/2018	10,000	\$13.9500	\$139,500.00			
	3/23/2018	6,647	(\$13.9000)	(\$92,393.30)	3/23/2018	5,300	\$14.0550	\$74,491.50			
	3/23/2018	30,000	(\$13.8400)	(\$415,200.00)	3/23/2018	1,000	\$14.0510	\$14,051.00			
	4/10/2018	8,911	(\$14.0900)	(\$125,555.99)	3/23/2018	13,700	\$14.0500	\$192,485.00			
	4/10/2018	300	(\$14.0870)	(\$4,226.10)	3/26/2018	20,000	\$13.9900	\$279,800.00			
	4/10/2018	500	(\$14.0850)	(\$7,042.50)	3/26/2018	10,000	\$13.9800	\$139,800.00			
	4/10/2018	289	(\$14.0800)	(\$4,069.12)	4/12/2018	100	\$14.3710	\$1,437.10			
	4/10/2018	20,000	(\$14.0900)	(\$281,800.00)	4/12/2018	9,900	\$14.3700	\$142,263.00			
	4/10/2018	20,000	(\$14.0800)	(\$281,600.00)	4/12/2018	10,000	\$14.3700	\$143,700.00			
	4/20/2018	10,000	(\$14.1800)	(\$141,800.00)	4/12/2018	10,000	\$14.3700	\$143,700.00			
	4/20/2018	24,892	(\$14.1400)	(\$351,972.88)	4/12/2018	10,000	\$14.3700	\$143,700.00			
	4/20/2018	5,108	(\$14.1350)	(\$72,201.58)	4/12/2018	3,100	\$14.3550	\$44,500.50			
	4/20/2018	8,734	(\$14.1500)	(\$123,586.10)	4/12/2018	400	\$14.3510	\$5,740.40			
	4/20/2018	1,266	(\$14.1450)	(\$17,907.57)	4/12/2018	100	\$14.3501	\$1,435.01			
	4/20/2018	10,000	(\$14.1100)	(\$141,100.00)	4/12/2018	6,400	\$14.3500	\$91,840.00			
	4/27/2018	1,100	(\$13.7600)	(\$15,136.00)	4/23/2018	100	\$14.3300	\$1,433.00			
	4/27/2018	1,000	(\$13.7500)	(\$13,750.00)	4/23/2018	9,900	\$14.3256	\$141,823.44			
	4/27/2018	7,900	(\$13.7800)	(\$108,862.00)	4/23/2018	200	\$14.3250	\$2,865.00			
	4/27/2018	20,000	(\$13.8000)	(\$276,000.00)	4/23/2018	9,800	\$14.3200	\$140,336.00			
	4/27/2018	6,000	(\$13.8100)	(\$82,860.00)	4/23/2018	5,112	\$14.3150	\$73,178.28			
	4/27/2018	20,000	(\$13.8200)	(\$276,400.00)	4/23/2018	14,888	\$14.3100	\$213,047.28			
	4/27/2018	34,000	(\$13.8100)	(\$469,540.00)	4/23/2018	10,000	\$14.3200	\$143,200.00			
	4/27/2018	30,000	(\$13.8000)	(\$414,000.00)	4/24/2018	500	\$14.8050	\$7,402.50			
	4/27/2018	30,000	(\$13.7800)	(\$413,400.00)	4/24/2018	2,300	\$14.8010	\$34,042.30			
	4/27/2018	50,000	(\$13.6900)	(\$684,500.00)	4/24/2018	5,000	\$14.8001	\$74,000.50			
	4/30/2018	20,000	(\$13.7100)	(\$274,200.00)	4/24/2018	2,200	\$14.8000	\$32,560.00			
	4/30/2018	20,000	(\$13.6800)	(\$273,600.00)	4/27/2018	1,000	\$13.9050	\$13,905.00			
	5/1/2018	14,700	(\$13.6400)	(\$200,508.00)	4/27/2018	9,000	\$13.9000	\$125,100.00			
	5/1/2018	5,300	(\$13.6390)	(\$72,286.70)	4/27/2018	100	\$13.9060	\$1,390.60			
	5/1/2018	20,000	(\$13.6250)	(\$272,500.00)	4/27/2018	10,697	\$13.9050	\$148,741.79			
	5/8/2018	5,000	(\$13.4800)	(\$67,400.00)	4/27/2018	4,203	\$13.9010	\$58,425.90			
	5/8/2018	5,000	(\$13.4800)	(\$67,400.00)	4/27/2018	2,000	\$13.9050	\$27,810.00			
	5/8/2018	6,300	(\$13.4800)	(\$84,924.00)	4/27/2018	9,200	\$13.9040	\$127,916.80			
	5/8/2018	3,700	(\$13.4700)	(\$49,839.00)	4/27/2018	3,800	\$13.9000	\$52,820.00			
	5/8/2018	10,000	(\$13.4700)	(\$134,700.00)	4/27/2018	800	\$13.9010	\$11,120.80			
	5/8/2018	6,600	(\$13.4700)	(\$88,902.00)	4/27/2018	9,200	\$13.9000	\$127,880.00			
	5/8/2018	3,109	(\$13.4800)	(\$41,909.32)	4/27/2018	3,073	\$13.9050	\$42,730.07			

5/15/2018	10,988	(\$13.3800)	(\$147,019.44)	4/27/2018	6,927	\$13.9000	\$96,285.30
5/15/2018	9,012	(\$13.3700)	(\$120,490.44)	4/27/2018	8,350	\$13.9050	\$116,106.75
5/15/2018	20,000	(\$13.3500)	(\$267,000.00)	4/27/2018	1,650	\$13.9010	\$22,936.65
5/15/2018	20,000	(\$13.3500)	(\$267,000.00)	4/27/2018	900	\$13.9050	\$12,514.50
5/15/2018	20,000	(\$13.3500)	(\$267,000.00)	4/27/2018	1,400	\$13.9010	\$19,461.40
5/15/2018	20,000	(\$13.3400)	(\$266,800.00)	4/27/2018	6,300	\$13.9001	\$87,570.63
5/15/2018	20,000	(\$13.3400)	(\$266,800.00)	4/27/2018	1,400	\$13.9000	\$19,460.00
5/15/2018	30,000	(\$13.3000)	(\$399,000.00)	4/27/2018	4,200	\$13.9041	\$58,397.22
5/15/2018	50,000	(\$13.2900)	(\$664,500.00)	4/27/2018	800	\$13.9010	\$11,120.80
5/15/2018	7,521	(\$13.2400)	(\$99,578.04)	4/27/2018	1,200	\$13.9057	\$16,686.84
5/15/2018	2,950	(\$13.2800)	(\$39,176.00)	4/27/2018	2,700	\$13.9042	\$37,541.34
5/16/2018	50,000	(\$12.9000)	(\$645,000.00)	4/27/2018	1,100	\$13.9010	\$15,291.10
5/16/2018	50,000	(\$12.9000)	(\$645,000.00)	4/27/2018	400	\$13.9057	\$5,562.28
5/16/2018	6,126	(\$12.9090)	(\$79,080.53)	4/27/2018	200	\$13.9050	\$2,781.00
5/16/2018	5,694	(\$12.9050)	(\$73,481.07)	4/27/2018	4,200	\$13.9040	\$58,396.80
5/18/2018	50,000	(\$12.7300)	(\$636,500.00)	4/27/2018	200	\$13.9010	\$2,780.20
5/23/2018	44,500	(\$12.6900)	(\$564,705.00)	4/27/2018	5,000	\$13.9015	\$69,507.50
5/23/2018	5,500	(\$12.6800)	(\$69,740.00)	4/27/2018	2,400	\$13.9055	\$33,373.20
5/23/2018	19,220	(\$12.6700)	(\$243,517.40)	4/27/2018	3,100	\$13.9040	\$43,102.40
5/23/2018	30,780	(\$12.6200)	(\$388,443.60)	4/27/2018	2,500	\$13.9010	\$34,752.50
5/23/2018	50,000	(\$12.5900)	(\$629,500.00)	4/27/2018	3,100	\$13.9015	\$43,094.65
5/24/2018	38,400	(\$12.3100)	(\$472,704.00)	4/27/2018	4,900	\$13.9012	\$68,115.88
5/24/2018	8,600	(\$12.3000)	(\$105,780.00)	4/27/2018	4,000	\$13.9001	\$55,600.40
5/24/2018	3,000	(\$12.2900)	(\$36,870.00)	4/27/2018	200	\$13.8957	\$2,779.14
5/24/2018	50,000	(\$12.2900)	(\$614,500.00)	4/27/2018	4,300	\$13.8937	\$59,742.91
5/24/2018	50,000	(\$12.2800)	(\$614,000.00)	4/27/2018	500	\$13.8910	\$6,945.50
5/24/2018	10,000	(\$12.2100)	(\$122,100.00)	4/27/2018	4,700	\$13.8936	\$65,299.92
5/24/2018	11,775	(\$12.2100)	(\$143,772.75)	4/27/2018	300	\$13.8900	\$4,167.00
5/24/2018	100	(\$12.0000)	(\$1,200.00)	4/27/2018	5,000	\$13.8815	\$69,407.50
5/25/2018	100,000	(\$12.0300)	(\$1,203,000.00)	4/27/2018	5,000	\$13.8812	\$69,406.00
5/25/2018	100	(\$12.0500)	(\$1,205.00)	4/27/2018	8,430	\$13.8950	\$117,134.85
5/25/2018	49,900	(\$12.0700)	(\$602,293.00)	4/27/2018	2,400	\$13.8910	\$33,338.40
5/25/2018	100,000	(\$12.0500)	(\$1,205,000.00)	4/27/2018	9,170	\$13.8900	\$127,371.30
5/25/2018	1,000	(\$12.0300)	(\$12,030.00)	4/27/2018	100	\$13.8910	\$1,389.10
5/29/2018	69,100	(\$11.5200)	(\$796,032.00)	4/27/2018	9,900	\$13.8900	\$137,511.00
5/29/2018	3,800	(\$11.5199)	(\$43,775.62)	4/27/2018	1,170	\$13.8950	\$16,257.15
5/29/2018	1,000	(\$11.5190)	(\$11,519.00)	4/27/2018	1,000	\$13.8910	\$13,891.00
5/29/2018	25,000	(\$11.5150)	(\$287,875.00)	4/27/2018	7,830	\$13.8900	\$108,758.70
5/29/2018	400	(\$11.5125)	(\$4,605.00)	5/2/2018	3,400	\$13.7100	\$46,614.00
5/29/2018	700	(\$11.5100)	(\$8,057.00)	5/2/2018	6,600	\$13.7000	\$90,420.00
5/29/2018	200,000	(\$11.3500)	(\$2,270,000.00)	5/2/2018	10,000	\$13.7010	\$137,010.00
5/29/2018	200,000	(\$11.3500)	(\$2,270,000.00)	5/2/2018	100	\$13.7050	\$1,370.50
5/31/2018	50,000	(\$11.3500)	(\$567,500.00)	5/2/2018	9,900	\$13.7000	\$135,630.00
5/31/2018	10,000	(\$11.2800)	(\$112,800.00)	5/2/2018	10,000	\$13.7010	\$137,010.00
5/31/2018	41,900	(\$10.7400)	(\$450,006.00)	5/2/2018	10,000	\$13.7010	\$137,010.00
5/31/2018	200	(\$10.7375)	(\$2,147.50)	5/2/2018	3,800	\$13.7150	\$52,117.00
5/31/2018	8,000	(\$10.7350)	(\$85,880.00)	5/2/2018	200	\$13.7110	\$2,742.20
6/8/2018	20,000	(\$11.1800)	(\$223,600.00)	5/2/2018	6,000	\$13.7100	\$82,260.00

6/8/2018	30,000	(\$11.1800)	(\$335,400.00)	5/2/2018	1,800	\$13.7010	\$24,661.80
6/8/2018	50,000	(\$11.1400)	(\$557,000.00)	5/2/2018	8,200	\$13.7000	\$112,340.00
6/15/2018	100	(\$10.9800)	(\$1,098.00)	5/2/2018	10,000	\$13.7000	\$137,000.00
6/15/2018	19,900	(\$11.0000)	(\$218,900.00)	5/2/2018	1,000	\$13.6910	\$13,691.00
6/15/2018	30,000	(\$11.0100)	(\$330,300.00)	5/2/2018	9,000	\$13.6900	\$123,210.00
6/18/2018	30,000	(\$10.9700)	(\$329,100.00)	5/2/2018	10,000	\$13.7000	\$137,000.00
6/18/2018	60,000	(\$10.9700)	(\$658,200.00)	5/8/2018	800	\$13.5450	\$10,836.00
6/27/2018	20,000	(\$10.5000)	(\$210,000.00)	5/8/2018	9,200	\$13.5400	\$124,568.00
6/27/2018	30,000	(\$10.4900)	(\$314,700.00)	5/8/2018	10,000	\$13.5400	\$135,400.00
6/27/2018	25,000	(\$10.4900)	(\$262,250.00)	5/8/2018	10,000	\$13.5500	\$135,500.00
6/27/2018	25,000	(\$10.4700)	(\$261,750.00)	5/8/2018	9,709	\$13.5501	\$131,557.92
7/11/2018	29,400	(\$11.1300)	(\$327,222.00)	5/15/2018	10,000	\$13.4000	\$134,000.00
7/11/2018	600	(\$11.1250)	(\$6,675.00)	5/15/2018	7,521	\$13.4057	\$100,824.27
8/16/2018	14,400	(\$11.2200)	(\$161,568.00)	5/15/2018	10,000	\$13.4010	\$134,010.00
8/16/2018	8,600	(\$11.2199)	(\$96,491.14)	5/15/2018	10,000	\$13.4010	\$134,010.00
8/16/2018	7,000	(\$11.2150)	(\$78,505.00)	5/15/2018	5,476	\$13.4150	\$73,460.54
8/16/2018	30,000	(\$11.2300)	(\$336,900.00)	5/15/2018	700	\$13.4110	\$9,387.70
8/16/2018	40,000	(\$11.2300)	(\$449,200.00)	5/15/2018	3,824	\$13.4100	\$51,279.84
9/7/2018	19,500	(\$11.1000)	(\$216,450.00)	5/15/2018	1,900	\$13.4150	\$25,488.50
9/7/2018	500	(\$11.0990)	(\$5,549.50)	5/15/2018	100	\$13.4110	\$1,341.10
9/7/2018	17,024	(\$11.0900)	(\$188,796.16)	5/15/2018	1,000	\$13.4101	\$13,410.10
9/7/2018	300	(\$11.0890)	(\$3,326.70)	5/15/2018	6,770	\$13.4100	\$90,785.70
9/11/2018	3,976	(\$11.0100)	(\$43,775.76)	5/15/2018	100	\$13.3710	\$1,337.10
9/11/2018	14,350	(\$11.0099)	(\$157,992.07)	5/15/2018	9,900	\$13.3700	\$132,363.00
9/11/2018	8,850	(\$11.0050)	(\$97,394.25)	5/15/2018	300	\$13.3556	\$4,006.68
10/8/2018	27,100	(\$10.9300)	(\$296,203.00)	5/15/2018	4,700	\$13.3531	\$62,759.57
10/8/2018	600	(\$10.9290)	(\$6,557.40)	5/24/2018	493	\$12.0450	\$5,938.19
10/8/2018	2,300	(\$10.9250)	(\$25,127.50)	5/24/2018	11,382	\$12.0400	\$137,039.28
10/8/2018	20,000	(\$10.9300)	(\$218,600.00)	5/24/2018	900	\$12.0450	\$10,840.50
10/9/2018	18,940	(\$10.8500)	(\$205,499.00)	5/24/2018	100	\$12.0410	\$1,204.10
10/9/2018	1,060	(\$10.8400)	(\$11,490.40)	5/24/2018	9,000	\$12.0400	\$108,360.00
11/8/2018	10,000	(\$10.4500)	(\$104,500.00)	5/25/2018	49,290	\$12.0100	\$591,972.90
11/8/2018	20,000	(\$10.4100)	(\$208,200.00)	5/25/2018	1,710	\$12.0000	\$20,520.00
11/8/2018	10,000	(\$10.3300)	(\$103,300.00)	5/25/2018	300	\$12.0050	\$3,601.50
11/12/2018	50,000	(\$9.8700)	(\$493,500.00)	5/25/2018	49,700	\$12.0000	\$596,400.00
11/12/2018	50,000	(\$9.8800)	(\$494,000.00)	5/25/2018	8,800	\$12.1050	\$106,524.00
11/12/2018	37,400	(\$9.8700)	(\$369,138.00)	5/25/2018	600	\$12.1010	\$7,260.60
11/12/2018	11,000	(\$9.8699)	(\$108,568.90)	5/25/2018	1,600	\$12.1001	\$19,360.16
11/12/2018	1,000	(\$9.8690)	(\$9,869.00)	5/25/2018	29,000	\$12.1000	\$350,900.00
11/12/2018	600	(\$9.8650)	(\$5,919.00)	5/25/2018	20,000	\$12.1000	\$242,000.00
11/12/2018	22,982	(\$9.7900)	(\$224,993.78)	5/25/2018	7,429	\$12.0350	\$89,408.02
11/12/2018	27,018	(\$9.7850)	(\$264,371.13)	5/25/2018	12,571	\$12.0300	\$151,229.13
11/15/2018	9,860	(\$9.6800)	(\$95,444.80)	5/25/2018	20,000	\$12.0500	\$241,000.00
11/15/2018	140	(\$9.6700)	(\$1,353.80)	5/25/2018	20,000	\$12.0500	\$241,000.00
11/16/2018	20,000	(\$9.7700)	(\$195,400.00)	5/25/2018	4,390	\$12.0550	\$52,921.45
11/20/2018	23,200	(\$9.2300)	(\$214,136.00)	5/25/2018	600	\$12.0510	\$7,230.60
11/20/2018	6,800	(\$9.2250)	(\$62,730.00)	5/25/2018	15,010	\$12.0500	\$180,870.50
11/20/2018	30,000	(\$9.2300)	(\$276,900.00)	5/25/2018	11,900	\$12.0550	\$143,454.50

11/20/2018	10,000	(\$9.2600)	(\$92,600.00)	5/25/2018	1,000	\$12.0510	\$12,051.00
11/20/2018	16,616	(\$9.2100)	(\$153,033.36)	5/25/2018	3,400	\$12.0501	\$40,970.34
11/20/2018	100	(\$9.2090)	(\$920.90)	5/25/2018	3,700	\$12.0500	\$44,585.00
11/20/2018	13,284	(\$9.2050)	(\$122,279.22)	5/25/2018	800	\$12.0501	\$9,640.08
11/23/2018	22,400	(\$9.2900)	(\$208,096.00)	5/25/2018	19,200	\$12.0500	\$231,360.00
11/23/2018	2,600	(\$9.2800)	(\$24,128.00)	5/25/2018	20,000	\$12.0500	\$241,000.00
11/23/2018	5,400	(\$9.3400)	(\$50,436.00)	5/25/2018	8,341	\$12.0550	\$100,550.76
11/23/2018	23,200	(\$9.3399)	(\$216,685.68)	5/25/2018	11,659	\$12.0500	\$140,490.95
11/23/2018	100	(\$9.3390)	(\$933.90)	5/25/2018	15,000	\$12.0500	\$180,750.00
11/23/2018	1,300	(\$9.3350)	(\$12,135.50)	5/25/2018	20,000	\$12.0500	\$241,000.00
11/30/2018	49,700	(\$9.1700)	(\$455,749.00)	5/25/2018	25,000	\$12.0600	\$301,500.00
11/30/2018	300	(\$9.1650)	(\$2,749.50)	5/25/2018	500	\$12.0600	\$6,030.00
11/30/2018	50,000	(\$9.1200)	(\$456,000.00)	5/29/2018	50,000	\$11.2700	\$563,500.00
12/4/2018	44,764	(\$9.0600)	(\$405,561.84)	5/29/2018	196	\$11.2550	\$2,205.98
12/4/2018	236	(\$9.0599)	(\$2,138.14)	5/29/2018	800	\$11.2510	\$9,000.80
12/4/2018	5,000	(\$9.0550)	(\$45,275.00)	5/29/2018	1,900	\$11.2501	\$21,375.19
12/6/2018	30,000	(\$8.8900)	(\$266,700.00)	5/29/2018	16,604	\$11.2500	\$186,795.00
12/7/2018	31,745	(\$8.7900)	(\$279,038.55)	5/29/2018	20,000	\$11.2500	\$225,000.00
12/7/2018	10,055	(\$8.7899)	(\$88,382.44)	5/29/2018	200	\$11.2550	\$2,251.00
12/7/2018	1,000	(\$8.7890)	(\$8,789.00)	5/29/2018	19,800	\$11.2500	\$222,750.00
12/7/2018	7,200	(\$8.7850)	(\$63,252.00)	5/29/2018	20,000	\$11.2500	\$225,000.00
12/20/2018	22,000	(\$8.1200)	(\$178,640.00)	5/29/2018	300	\$11.2510	\$3,375.30
12/20/2018	1,200	(\$8.1199)	(\$9,743.88)	5/29/2018	19,700	\$11.2500	\$221,625.00
12/20/2018	2,000	(\$8.1190)	(\$16,238.00)	5/29/2018	500	\$11.2550	\$5,627.50
12/20/2018	4,800	(\$8.1150)	(\$38,952.00)	5/29/2018	19,500	\$11.2500	\$219,375.00
12/26/2018	31,543	(\$7.9500)	(\$250,766.85)	5/29/2018	300	\$11.2550	\$3,376.50
12/26/2018	17,684	(\$7.9450)	(\$140,499.38)	5/29/2018	1,100	\$11.2510	\$12,376.10
12/26/2018	773	(\$7.9400)	(\$6,137.62)	5/29/2018	28,600	\$11.2500	\$321,750.00
12/26/2018	7,370	(\$7.9500)	(\$58,591.50)	5/29/2018	700	\$11.2550	\$7,878.50
12/26/2018	12,200	(\$7.9499)	(\$96,988.78)	5/29/2018	1,000	\$11.2510	\$11,251.00
12/26/2018	30,059	(\$7.9450)	(\$238,818.76)	5/29/2018	4,300	\$11.2501	\$48,375.43
12/26/2018	371	(\$7.9400)	(\$2,945.74)	5/29/2018	14,000	\$11.2500	\$157,500.00
12/26/2018	11,922	(\$7.9499)	(\$94,778.71)	5/29/2018	700	\$11.2550	\$7,878.50
12/26/2018	38,078	(\$7.9450)	(\$302,529.71)	5/29/2018	900	\$11.2510	\$10,125.90
12/26/2018	27,160	(\$7.9500)	(\$215,922.00)	5/29/2018	18,400	\$11.2500	\$207,000.00
12/26/2018	13,700	(\$7.9499)	(\$108,913.63)	5/29/2018	1,900	\$11.2550	\$21,384.50
12/26/2018	800	(\$7.9490)	(\$6,359.20)	5/29/2018	700	\$11.2510	\$7,875.70
12/26/2018	6,340	(\$7.9450)	(\$50,371.30)	5/29/2018	17,400	\$11.2500	\$195,750.00
12/26/2018	2,000	(\$7.9400)	(\$15,880.00)	5/29/2018	100	\$11.2510	\$1,125.10
12/27/2018	49,600	(\$7.6800)	(\$380,928.00)	5/29/2018	19,900	\$11.2500	\$223,875.00
12/27/2018	400	(\$7.6750)	(\$3,070.00)	5/29/2018	800	\$11.2110	\$8,968.80
12/27/2018	39,929	(\$7.6600)	(\$305,856.14)	5/29/2018	19,200	\$11.2100	\$215,232.00
12/27/2018	10,071	(\$7.6550)	(\$77,093.51)	5/29/2018	100	\$11.2110	\$1,121.10
12/31/2018	20,000	(\$8.0800)	(\$161,600.00)	5/29/2018	19,900	\$11.2100	\$223,079.00
1/17/2019	10,000	(\$8.8800)	(\$88,800.00)	5/29/2018	3,350	\$11.2150	\$37,570.25
1/31/2019	10,000	(\$8.8700)	(\$88,700.00)	5/29/2018	16,650	\$11.2100	\$186,646.50
2/1/2019	30,000	(\$8.6100)	(\$258,300.00)	5/29/2018	200	\$11.2050	\$2,241.00
2/7/2019	20,000	(\$8.6300)	(\$172,600.00)	5/29/2018	29,800	\$11.2000	\$333,760.00

2/7/2019	20,000	(\$8.6300)	(\$172,600.00)	5/29/2018	21,142	\$11.2050	\$236,896.11
2/14/2019	15,374	(\$8.3700)	(\$128,680.38)	5/29/2018	1,300	\$11.2025	\$14,563.25
2/14/2019	4,626	(\$8.3650)	(\$38,696.49)	5/29/2018	1,400	\$11.2010	\$15,681.40
5/6/2019	20,000	(\$8.0200)	(\$160,400.00)	5/29/2018	6,158	\$11.2000	\$68,969.60
3/11/2020	20,000	(\$6.6200)	(\$132,400.00)	5/29/2018	45,000	\$11.1900	\$503,550.00
3/12/2020	20,000	(\$5.6100)	(\$112,200.00)	5/30/2018	25,000	\$11.4400	\$286,000.00
3/12/2020	10,000	(\$5.5900)	(\$55,900.00)	5/30/2018	25,000	\$11.4400	\$286,000.00
3/12/2020	30,000	(\$5.5700)	(\$167,100.00)	5/30/2018	20,000	\$11.4300	\$228,600.00
5/15/2020	10,000	(\$6.4500)	(\$64,500.00)	5/30/2018	9,874	\$11.4350	\$112,909.19
				5/30/2018	300	\$11.4310	\$3,429.30
				5/30/2018	600	\$11.4301	\$6,858.06
				5/30/2018	9,226	\$11.4300	\$105,453.18
				5/30/2018	100	\$11.4410	\$1,144.10
				5/30/2018	14,900	\$11.4400	\$170,456.00
				5/30/2018	20,000	\$11.4600	\$229,200.00
				5/30/2018	20,000	\$11.4600	\$229,200.00
				5/30/2018	13,725	\$11.4950	\$157,768.88
				5/30/2018	100	\$11.4910	\$1,149.10
				5/30/2018	6,175	\$11.4900	\$70,950.75
				5/30/2018	6,357	\$11.4950	\$73,073.72
				5/30/2018	1,000	\$11.4910	\$11,491.00
				5/30/2018	12,643	\$11.4900	\$145,268.07
				5/30/2018	5,251	\$11.5350	\$60,570.29
				5/30/2018	14,749	\$11.5300	\$170,055.97
				5/30/2018	20,000	\$11.5400	\$230,800.00
				5/30/2018	20,000	\$11.6000	\$232,000.00
				5/30/2018	4,200	\$11.5950	\$48,699.00
				5/30/2018	100	\$11.5910	\$1,159.10
				5/30/2018	15,700	\$11.5900	\$181,963.00
				5/30/2018	20,000	\$11.5900	\$231,800.00
				5/30/2018	200	\$11.5650	\$2,313.00
				5/30/2018	100	\$11.5610	\$1,156.10
				5/30/2018	700	\$11.5601	\$8,092.07
				5/30/2018	19,000	\$11.5600	\$219,640.00
				5/30/2018	20,000	\$11.5600	\$231,200.00
				5/31/2018	500	\$11.0800	\$5,540.00
				5/31/2018	4,400	\$11.0700	\$48,708.00
				5/31/2018	95,100	\$11.0600	\$1,051,806.00
				5/31/2018	2,000	\$11.1900	\$22,380.00
				5/31/2018	58,000	\$11.1800	\$648,440.00
				5/31/2018	50,000	\$11.1700	\$558,500.00
				5/31/2018	100	\$11.0900	\$1,109.00
				5/31/2018	6,000	\$11.1250	\$66,750.00
				5/31/2018	1,000	\$11.1210	\$11,121.00
				5/31/2018	10,275	\$11.1200	\$114,258.00
				5/31/2018	100	\$11.0950	\$1,109.50
				5/31/2018	32,625	\$11.0900	\$361,811.25
				5/31/2018	17,400	\$11.0800	\$192,792.00

5/31/2018	32,600	\$11.0700	\$360,882.00
6/8/2018	50,000	\$11.2300	\$561,500.00
6/8/2018	30,000	\$11.2200	\$336,600.00
6/8/2018	15,000	\$11.2100	\$168,150.00
6/8/2018	5,000	\$11.2300	\$56,150.00
6/15/2018	800	\$11.0710	\$8,856.80
6/15/2018	12,900	\$11.0701	\$142,804.29
6/15/2018	6,300	\$11.0700	\$69,741.00
6/15/2018	20,000	\$11.0700	\$221,400.00
6/18/2018	3,937	\$10.9950	\$43,287.32
6/18/2018	16,063	\$10.9900	\$176,532.37
6/18/2018	2,700	\$10.9910	\$29,675.70
6/18/2018	17,300	\$10.9900	\$190,127.00
6/18/2018	1,700	\$10.9910	\$18,684.70
6/18/2018	215	\$10.9901	\$2,362.87
6/18/2018	8,085	\$10.9900	\$88,854.15
6/18/2018	1,000	\$11.0510	\$11,051.00
6/18/2018	19,000	\$11.0500	\$209,950.00
6/18/2018	1,000	\$11.0410	\$11,041.00
6/18/2018	2,600	\$11.0401	\$28,704.26
6/18/2018	16,400	\$11.0400	\$181,056.00
6/18/2018	10,000	\$11.0400	\$110,400.00
6/27/2018	30,000	\$10.4300	\$312,900.00
6/27/2018	20,000	\$10.4300	\$208,600.00
6/27/2018	10,000	\$10.4300	\$104,300.00
6/27/2018	100	\$10.4250	\$1,042.50
6/27/2018	9,900	\$10.4200	\$103,158.00
6/27/2018	10,000	\$10.4200	\$104,200.00
6/27/2018	10,000	\$10.4200	\$104,200.00
6/27/2018	10,000	\$10.4000	\$104,000.00
7/11/2018	700	\$11.1650	\$7,815.50
7/11/2018	1,000	\$11.1610	\$11,161.00
7/11/2018	4,400	\$11.1601	\$49,104.44
7/11/2018	23,900	\$11.1600	\$266,724.00
8/17/2018	800	\$11.0750	\$8,860.00
8/17/2018	19,200	\$11.0701	\$212,545.92
8/17/2018	2,900	\$11.0750	\$32,117.50
8/17/2018	17,100	\$11.0700	\$189,297.00
8/17/2018	1,600	\$11.0750	\$17,720.00
8/17/2018	18,400	\$11.0700	\$203,688.00
8/17/2018	40,000	\$11.1600	\$446,400.00
9/7/2018	10,000	\$11.1800	\$111,800.00
9/7/2018	10,000	\$11.1850	\$111,850.00
9/11/2018	3,432	\$11.1750	\$38,352.60
9/11/2018	2,301	\$11.1710	\$25,704.47
9/11/2018	222	\$11.1701	\$2,479.76
9/11/2018	8,545	\$11.1700	\$95,447.65
9/11/2018	1,100	\$11.1750	\$12,292.50

9/11/2018	13,900	\$11.1700	\$155,263.00
9/17/2018	15,000	\$11.5400	\$173,100.00
10/8/2018	20,000	\$11.0400	\$220,800.00
10/8/2018	20,000	\$11.0400	\$220,800.00
10/8/2018	10,000	\$11.0400	\$110,400.00
10/9/2018	4,100	\$10.9510	\$44,899.10
10/9/2018	5,900	\$10.9500	\$64,605.00
10/9/2018	10,000	\$10.9400	\$109,400.00
11/12/2018	24,275	\$9.9100	\$240,565.25
11/12/2018	15,725	\$9.9000	\$155,677.50
11/12/2018	12,418	\$9.7350	\$120,889.23
11/12/2018	7,582	\$9.7300	\$73,772.86
11/12/2018	900	\$9.7350	\$8,761.50
11/12/2018	19,100	\$9.7300	\$185,843.00
11/12/2018	20,000	\$9.7300	\$194,600.00
11/13/2018	20,000	\$9.8700	\$197,400.00
11/13/2018	20,000	\$9.9100	\$198,200.00
11/13/2018	5,000	\$9.9150	\$49,575.00
11/13/2018	15,000	\$9.9100	\$148,650.00
11/13/2018	20,000	\$9.9100	\$198,200.00
11/13/2018	1,000	\$9.9110	\$9,911.00
11/13/2018	19,000	\$9.9100	\$188,290.00
11/13/2018	300	\$9.9350	\$2,980.50
11/13/2018	19,700	\$9.9300	\$195,621.00
11/13/2018	2,200	\$9.9450	\$21,879.00
11/13/2018	300	\$9.9410	\$2,982.30
11/13/2018	5,600	\$9.9401	\$55,664.56
11/13/2018	11,900	\$9.9400	\$118,286.00
11/16/2018	10,000	\$9.8100	\$98,100.00
11/16/2018	10,000	\$9.8100	\$98,100.00
11/16/2018	10,000	\$9.8000	\$98,000.00
11/21/2018	20,000	\$9.4400	\$188,800.00
11/21/2018	3,404	\$9.4450	\$32,150.78
11/21/2018	26,596	\$9.4400	\$251,066.24
11/21/2018	25,000	\$9.4300	\$235,750.00
11/23/2018	100	\$9.3250	\$932.50
11/23/2018	5,923	\$9.3200	\$55,202.36
11/23/2018	13,977	\$9.3100	\$130,125.87
11/26/2018	10,000	\$9.5700	\$95,700.00
11/26/2018	10,000	\$9.5600	\$95,600.00
11/26/2018	200	\$9.5750	\$1,915.00
11/26/2018	9,800	\$9.5700	\$93,786.00
11/26/2018	10,000	\$9.5800	\$95,800.00
11/26/2018	10,000	\$9.5800	\$95,800.00
11/26/2018	10,000	\$9.6900	\$96,900.00
12/3/2018	25,000	\$9.4700	\$236,750.00
12/3/2018	15,000	\$9.4800	\$142,200.00
12/3/2018	20,000	\$9.4800	\$189,600.00

12/3/2018	4,600	\$9.4800	\$43,608.00
12/3/2018	15,400	\$9.4700	\$145,838.00
12/3/2018	10,000	\$9.4300	\$94,300.00
12/3/2018	10,000	\$9.4300	\$94,300.00
12/10/2018	20,000	\$8.5800	\$171,600.00
12/10/2018	1,100	\$8.5850	\$9,443.50
12/10/2018	18,900	\$8.5800	\$162,162.00
12/10/2018	2,800	\$8.5850	\$24,038.00
12/10/2018	1,100	\$8.5810	\$9,439.10
12/10/2018	16,100	\$8.5800	\$138,138.00
12/10/2018	400	\$8.4850	\$3,394.00
12/10/2018	19,600	\$8.4800	\$166,208.00
12/10/2018	20,000	\$8.3600	\$167,200.00
12/10/2018	20,000	\$8.3700	\$167,400.00
12/10/2018	10,000	\$8.3700	\$83,700.00
12/24/2018	10,000	\$7.9000	\$79,000.00
12/24/2018	10,000	\$7.9000	\$79,000.00
12/24/2018	10,000	\$7.9000	\$79,000.00
12/27/2018	200	\$7.7950	\$1,559.00
12/27/2018	19,800	\$7.7900	\$154,242.00
12/27/2018	20,000	\$7.7900	\$155,800.00
12/27/2018	20,000	\$7.7900	\$155,800.00
12/27/2018	20,000	\$7.7900	\$155,800.00
12/27/2018	20,000	\$7.7900	\$155,800.00
12/27/2018	200	\$7.7950	\$1,559.00
12/27/2018	2,000	\$7.7910	\$15,582.00
12/27/2018	700	\$7.7901	\$5,453.07
12/27/2018	17,100	\$7.7900	\$133,209.00
12/27/2018	2,600	\$7.7950	\$20,267.00
12/27/2018	17,400	\$7.7900	\$135,546.00
12/27/2018	2,000	\$7.7910	\$15,582.00
12/27/2018	18,000	\$7.7900	\$140,220.00
12/27/2018	800	\$7.7950	\$6,236.00
12/27/2018	1,000	\$7.7910	\$7,791.00
12/27/2018	500	\$7.7901	\$3,895.05
12/27/2018	17,700	\$7.7900	\$137,883.00
12/27/2018	20,000	\$7.8100	\$156,200.00
12/27/2018	6,837	\$7.8150	\$53,431.16
12/27/2018	955	\$7.8110	\$7,459.51
12/27/2018	12,208	\$7.8100	\$95,344.48
12/27/2018	20,000	\$7.8100	\$156,200.00
12/28/2018	10,000	\$8.0800	\$80,800.00
12/28/2018	10,000	\$8.0800	\$80,800.00
12/28/2018	1,400	\$8.0850	\$11,319.00
12/28/2018	700	\$8.0801	\$5,656.07
12/28/2018	12,900	\$8.0800	\$104,232.00
12/28/2018	1,500	\$8.0750	\$12,112.50
12/28/2018	8,500	\$8.0700	\$68,595.00

	12/28/2018	900	\$8.0650	\$7,258.50			
	12/28/2018	100	\$8.0610	\$806.10			
	12/28/2018	3,200	\$8.0601	\$25,792.32			
	12/28/2018	10,800	\$8.0600	\$87,048.00			
	12/31/2018	10,000	\$8.1300	\$81,300.00			
	12/31/2018	10,000	\$8.1400	\$81,400.00			
	1/23/2019	400	\$9.0350	\$3,614.00			
	1/23/2019	9,600	\$9.0300	\$86,688.00			
	2/1/2019	1,000	\$8.7950	\$8,795.00			
	2/1/2019	19,000	\$8.7900	\$167,010.00			
	2/1/2019	200	\$8.8750	\$1,775.00			
	2/1/2019	19,800	\$8.8700	\$175,626.00			
	2/15/2019	1,500	\$8.6750	\$13,012.50			
	2/15/2019	18,500	\$8.6700	\$160,395.00			
	2/15/2019	20,000	\$8.6700	\$173,400.00			
	2/15/2019	1,400	\$8.6750	\$12,145.00			
	2/15/2019	8,600	\$8.6700	\$74,562.00			
	2/15/2019	3,152	\$8.7432	\$27,558.57			
	2/15/2019	1,848	\$8.7400	\$16,151.52			
	2/25/2019	5,000	\$8.8042	\$44,021.00			
	5/6/2019	20,000	\$8.1200	\$162,400.00			
	3/12/2020	20,000	\$5.4700	\$109,400.00			
	3/12/2020	7,122	\$5.4900	\$39,099.78			
	3/12/2020	12,878	\$5.4700	\$70,442.66			
	3/12/2020	10,000	\$5.4300	\$54,300.00			
	3/12/2020	10,000	\$5.4300	\$54,300.00			
	3/12/2020	300	\$5.8350	\$1,750.50			
	3/12/2020	702	\$5.8300	\$4,092.66			
	3/12/2020	300	\$5.8250	\$1,747.50			
	3/12/2020	400	\$5.8201	\$2,328.04			
	3/12/2020	3,900	\$5.8200	\$22,698.00			
	3/12/2020	300	\$5.8150	\$1,744.50			
	3/12/2020	698	\$5.8101	\$4,055.45			
	3/12/2020	3,400	\$5.8100	\$19,754.00			
	3/12/2020	10,000	\$5.7101	\$57,101.00			
	5/18/2020	10,000	\$7.1200	\$71,200.00			
3,964,475					3,964,475	\$43,359,576.64	0 \$0.00 (\$746,846.03)